

# New Jersey

## Science and Engineering Profile

	STATE	U.S.	Rank		STATE	U.S.	Rank
Doctoral scientists, 1995	17,171	453,928	8	Total R&D performance, 1995 (millions)	\$9,128	\$177,210	5
Doctoral engineers, 1995	4,117	86,738	4	Industry R&D, 1995 (millions)	\$8,200	\$130,332	4
S&E doctorates awarded, 1996	659	27,230	13	Academic R&D, 1996 (millions)	\$453	\$22,481	15
of which, in engineering	27%	23%		of which, in life sciences	45%	56%	
in life sciences	23%	25%		in engineering	20%	16%	
in physical sciences	16%	14%		in physical sciences	10%	10%	
S&E postdoctorates, 1996	604	37,019	18	Higher education current-fund expenditures, 1995 (millions)	\$4,235	\$182,602	13
in doctorate-granting institutions							
S&E graduate students, 1996	10,574	430,631	11	Number of SBIR awards, 1990-1997	988	31,155	9
in doctorate-granting institutions				Patents issued to state residents, 1997	3,186	61,699	4
Population, 1997 (000s)	8,053	271,464	9	Gross state product, 1996 (billions)	\$276.4	\$7,677.4	8
Civilian labor force, 1997 (000s)	4,194	137,564	9	of which, agriculture	1%	2%	
Personal income per capita, 1997	\$32,654	\$25,598	3	manufacturing, mining, construction	17%	23%	
Federal spending				transportation, communication, utilities	10%	8%	
Total expenditures, 1997 (millions)	\$39,537	\$1,405,060	10	wholesale and retail trade	16%	16%	
R&D obligations, 1996 (millions)	\$1,276	\$66,087	15	finance, insurance, real estate	23%	19%	
				services	22%	20%	
				government	11%	12%	

Rankings and totals are based on data for the 50 states, D.C., and Puerto Rico.

Data on S&E postdoctorates and S&E graduate students include health fields.

## Federal Obligations for Research and Development by Agency and Performer: Fiscal Year 1996

[Thousands of Dollars]

	Total	Federal	All FFRDCs	Industrial firms	Universities &	Other	State & local	State rank
		Intramural			Colleges	nonprofits	government	
<b>Total, all agencies</b>	1,275,500	453,564	64,233	553,275	190,696	10,717	3,015	15
Department of Agriculture	4,899	38	0	0	4,861	0	0	47
Department of Commerce	44,085	13,442	0	27,632	2,837	55	119	6
Department of Defense	831,739	395,411	5,029	400,514	30,779	6	0	11
Department of Energy	81,907	0	59,096	9,584	12,949	278	0	15
Dept. of Health & Human Services	101,424	0	0	8,040	82,483	9,371	1,530	23
Department of Interior	3,744	2,959	0	368	337	0	80	34
Department of Transportation	62,734	40,530	0	20,432	486	0	1,286	2
Environmental Protection Agency	3,564	0	0	300	3,054	210	0	19
Nat'l Aeronautics & Space Admin.	89,452	1,025	0	80,522	7,469	436	0	11
National Science Foundation	51,952	159	108	5,883	45,441	361	0	15
<b>State rank</b>	15	9	11	14	21	26	16	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable